

ROBOTIC APPARATUS FOR TARGETING AND PRODUCING DEEP, FOCUSED TRANSCRANIAL MAGNETIC STIMULATION

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ABSTRACT

Techniques for applying electromagnetic energy to deep, targeted areas without
overwhelming other areas are provided. One or more coils are moved relative to a target area
10 and magnetic fields are applied to the target from multiple coil locations. As a result, the
aggregate electromagnetic energy applied to the target over time is greater than surrounding
areas. Additionally, a model for testing and treatment planning is provided.